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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/058,805	01/30/2002	Hiroyuki Tomoike	Q68279	4726

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EXAMINER	
NGUYEN, THANH	

ART UNIT	PAPER NUMBER
2144	

DATE MAILED: 03/01/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/058,805	TOMOIKE, HIROYUKI	
	Examiner	Art Unit	
	Tammy T Nguyen	2144	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE *(3)* MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *30 January 2002*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-7* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-7* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *30 January 2002* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☒ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date *9/25/02, 4/12/04*.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

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Detailed Office Action

1. This action is in response to the application **10/058805** filed. **January 30, 2002.**

2. Claims **1-7** have been examined.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

4. Claims 1-7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Martin, Jr et al., (hereinafter Martin) U.S. Patent No. 6,610,105 in view of Masahiro Fujii., (hereinafter Fujii) U.S. Patent No. 6,804,537.

5. As to claim 1, Martin, Jr et al teaches the invention as claimed, including a mobile communication system, comprising: an information terminal unit (mobile device 106 of

fig.1A); Martin Jr et al does not specifically disclose a plurality of mobile stations, each of which communicates with said information terminal unit (mobile station 108 communicate with terminal unit 106 of fig.1A). However, this feature is obvious with the system because in a mobile station and terminal unit environment, multiple stations are connected to a terminal unit and are interchangeable. The terminal unit that has interactions/ communications with the mobile station can be substituted for another mobile station in the network. Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention was made that once Martin teach a mobile station communicates with terminal unit that can imply that plurality/multiple mobile station can do the same function as communications with terminal unit when the system has multiple mobile stations connect to the terminal unit. a packet mobile switching center which communicates with said mobile stations through a radio access network (see col.5, lines 6-40)(the operations and maintenance center comprises a mobile switching center performing the switching of calls between the mobile devices and other fixed or mobile network users); a packet mobile gateway switching center which communicates with said packet mobile switching center through a mobile data network (gateway server in fig.2A as link server 114) (see col.5, lines 40-67); and a content server which communicates with said packet mobile gateway switching center through the Internet (server 134, 132 communicate with link server 114 through the internet 104) (see col.6, lines 52 to col.7, line 33). Martin does not explicitly teach information terminal unit downloads or uploads data from or to said content server through the plurality of mobile stations. However, Fujii teaches information terminal unit downloads or uploads data

from or to said content server through the plurality of mobile stations (Fig.12)(see col.4, lines 20-35, col.14, lines 28-60). It would have been obvious to one of ordinary skill in the art at the time of the invention was made to implement the teachings of Fujii into the computer system of Martin to teaching information terminal unit downloads or uploads data from or to said content server through the plurality of mobile stations because it would have an efficient system that can provide a data communication system, that display data most adaptive for an access condition and interest of a user can be displayed, and desirable data can be easily acquired.

6. As to claim 2, Martin teaches the invention as claimed, including an information terminal unit which communicates with a plurality of mobile stations, Martin Jr et al al does not specifically disclose a plurality of mobile stations. However, this feature is obvious with the system because in a mobile station and packet switching center environment, multiple stations are connected to packet switching center and are interchangeable. The terminal unit that has interactions/ communications with the mobile station can be substituted for another mobile station in the network. Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention was made that once Martin teach a mobile station communicates with packet switching center that can imply that plurality/multiple mobile station can do the same function as communications with packet switching when the system has multiple mobile stations connect to the packet switching center, communicate with a packet mobile switching center through a radio access network (see col.5, lines 6-40)(the operations and maintenance center comprises a

mobile switching center performing the switching of calls between the mobile devices and other fixed or mobile network users), wherein said packet mobile switching center communicates with a packet mobile gateway switching center through a mobile data network (see col.5, lines 6-40)(the operations and maintenance center comprises a mobile switching center performing the switching of calls between the mobile devices and other fixed or mobile network users), wherein said mobile gateway switching center communicates with a content server through the Internet (server 134, 132 communicate with link server 114 through the internet 104) (see col.6, lines 52 to col.7, line 33). Martin does not explicitly teach information terminal unit downloads or uploads data from or to said content server through the plurality of mobile stations. However, Fujii teaches information terminal unit downloads or uploads data from or to said content server through the plurality of mobile stations (Fig.12)(see col.4, lines 20-35, col.14, lines 28-60). It would have been obvious to one of ordinary skill in the art at the time of the invention was made to implement the teachings of Fujii into the computer system of Martin to teaching information terminal unit downloads or uploads data from or to said content server through the plurality of mobile stations because it would have an efficient system that can provide a data communication system, that display data most adaptive for an access condition and interest of a user can be displayed, and desirable data can be easily acquired.

7. As to claim 3, Martin teaches the invention as claimed, including a first mobile station which communicates with an information terminal, while at least a second mobile station

communicates with said information terminal, Martin Jr et al al does not specifically disclose first and second mobile stations. However, this feature is obvious with the system because in a mobile station and Packet switching center environment, multiple stations are connected to packet switching center and are interchangeable. The terminal unit that has interactions/ communications with the mobile station can be substituted for another mobile station in the network. Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention was made that once Martin teach a mobile station communicates with packet switching center that can imply that plurality/multiple mobile station can do the same function as communications with packet switching when the system has multiple mobile stations connect to the packet switching center, communicate with a packet mobile switching center through a radio access network (see col.5, lines 6-40)(the operations and maintenance center comprises a mobile switching center performing the switching of calls between the mobile devices and other fixed or mobile network users),wherein said packet mobile switching center communicates with a packet mobile gateway switching center through a mobile data network (see col.5, lines 6-40)(the operations and maintenance center comprises a mobile switching center performing the switching of calls between the mobile devices and other fixed or mobile network users), wherein said mobile gateway switching center communicates with a content server through the Internet (server 134, 132 communicate with link server 114 through the internet 104) (see col.6, lines 52 to col.7, line 33). Martin does not explicitly teach information terminal unit downloads or uploads data from or to said content server through the plurality of mobile stations. However, Fujii

teaches information terminal unit downloads or uploads data from or to said content server through the plurality of mobile stations (Fig.12)(see col.4, lines 20-35, col.14, lines 28-60). It would have been obvious to one of ordinary skill in the art at the time of the invention was made to implement the teachings of Fujii into the computer system of Martin to teaching information terminal unit downloads or uploads data from or to said content server through the plurality of mobile stations because it would have an efficient system that can provide a data communication system, that display data most adaptive for an access condition and interest of a user can be displayed, and desirable data can be easily acquired.

8. As to claim 4, Martin teaches the invention as claimed, including a packet mobile switching center which communicates with a plurality of mobile stations through a radio access network, an information terminal unit (mobile device 106 of fig.1A); Martin Jr et al does not specifically disclose a plurality of mobile stations, each of which communicates with said information terminal unit (mobile station 108 communicate with terminal unit 106 of fig.1A). However, this feature is obvious with the system because in a mobile station and terminal unit environment, multiple stations are connected to a terminal unit and are interchangeable. The terminal unit that has interactions/ communications with the mobile station can be substituted for another mobile station in the network. Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention was made that once Martin teach a mobile station communicates with terminal unit that can imply that plurality/multiple mobile station can do the same

function as communications with terminal unit when the system has multiple mobile stations connect to the terminal unit. wherein said packet mobile switching center communicates with a packet mobile gateway switching center through a mobile data network (see col.5, lines 6-40)(the operations and maintenance center comprises a mobile switching center performing the switching of calls between the mobile devices and other fixed or mobile network users), wherein said mobile gateway switching center communicates with a content server through the Internet (server 134, 132 communicate with link server 114 through the internet 104) (see col.6, lines 52 to col.7, line 33). Martin does not explicitly teach information terminal unit downloads or uploads data from or to said content server through the plurality of mobile stations. However, Fujii teaches information terminal unit downloads or uploads data from or to said content server through the plurality of mobile stations (Fig.12)(see col.4, lines 20-35, col.14, lines 28-60). It would have been obvious to one of ordinary skill in the art at the time of the invention was made to implement the teachings of Fujii into the computer system of Martin to teaching information terminal unit downloads or uploads data from or to said content server through the plurality of mobile stations because it would have an efficient system that can provide a data communication system, that display data most adaptive for an access condition and interest of a user can be displayed, and desirable data can be easily acquired.

9. As to claim 5, Martin teaches the invention as claimed, including a packet mobile gateway switching center which communicates with a packet mobile switching center

through a mobile data network, wherein said packet mobile switching center communicates with a plurality of mobile stations through a radio access network (see col.5, lines 6-40)(the operations and maintenance center comprises a mobile switching center performing the switching of calls between the mobile devices and other fixed or mobile network users), Martin Jr et al does not specifically disclose a plurality of mobile stations, each of which communicates with said information terminal unit (mobile station 108 communicate with terminal unit 106 of fig.1A). However, this feature is obvious with the system because in a mobile station and terminal unit environment, multiple stations are connected to a terminal unit and are interchangeable. The terminal unit that has interactions/ communications with the mobile station can be substituted for another mobile station in the network. Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention was made that once Martin teach a mobile station communicates with terminal unit that can imply that plurality/multiple mobile station can do the same function as communications with terminal unit when the system has multiple mobile stations connect to the terminal unit. wherein said mobile gateway switching center communicates with a content server through the Internet (server 134, 132 communicate with link server 114 through the internet 104) (see col.6, lines 52 to col.7, line 33). Martin does not explicitly teach information terminal unit downloads or uploads data from or to said content server through the plurality of mobile stations. However, Fujii teaches information terminal unit downloads or uploads data from or to said content server through the plurality of mobile stations (Fig.12)(see col.4, lines 20-35, col.14, lines 28-60). It would have been obvious to one of ordinary skill in the art at the

time of the invention was made to implement the teachings of Fujii into the computer system of Martin to teaching information terminal unit downloads or uploads data from or to said content server through the plurality of mobile stations because it would have an efficient system that can provide a data communication system, that display data most adaptive for an access condition and interest of a user can be displayed, and desirable data can be easily acquired.

10. As to claim 6, Martin teaches the invention as claimed, including a contents server which communicates with a packet mobile gateway switching center through the Internet, wherein said packet mobile gateway switching center communicates with a packet mobile switching center through a mobile data network (see col.5, lines 6-40)(the operations and maintenance center comprises a mobile switching center performing the switching of calls between the mobile devices and other fixed or mobile network users), wherein said packet mobile switching center communicates with a plurality of mobile stations through a radio access network (see col.5, lines 6-40)(the operations and maintenance center comprises a mobile switching center performing the switching of calls between the mobile devices and other fixed or mobile network users), Martin Jr et al does not specifically disclose a plurality of mobile stations, each of which communicates with said information terminal unit (mobile station 108 communicate with terminal unit 106 of fig.1A). However, this feature is obvious with the system because in a mobile station and terminal unit environment, multiple stations are connected to a terminal unit and are interchangeable. The terminal unit that has interactions/ communications with

the mobile station can be substituted for another mobile station in the network. Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention was made that once Martin teach a mobile station communicates with terminal unit that can imply that plurality/multiple mobile station can do the same function as communications with terminal unit when the system has multiple mobile stations connect to the terminal unit, and Martin does not explicitly teach information terminal unit downloads or uploads data from or to said content server through the plurality of mobile stations. However, Fujii teaches information terminal unit downloads or uploads data from or to said content server through the plurality of mobile stations (Fig.12)(see col.4, lines 20-35, col.14, lines 28-60). It would have been obvious to one of ordinary skill in the art at the time of the invention was made to implement the teachings of Fujii into the computer system of Martin to teaching information terminal unit downloads or uploads data from or to said content server through the plurality of mobile stations because it would have an efficient system that can provide a data communication system, that display data most adaptive for an access condition and interest of a user can be displayed, and desirable data can be easily acquired.

11. Claim 7 has similar limitations as claim 1; therefore, it is rejected under the same rationale.

Conclusion

12. Any inquiries concerning this communication or earlier communications from the examiner should be directed to **Tammy T. Nguyen** who may be reached via telephone at **(571) 272-3929**. The examiner can normally be reached Monday through Friday between 8:00 a.m. and 5:00 p.m. eastern standard time.

If you need to send the Examiner, a facsimile transmission regarding this instant application, please send it to **(703) 872-9306**. If attempts to reach the examiner by telephone are unsuccessful, the Examiner's Supervisor, Bill Cuchlinski, may be reached at **(571) 272-3925**.

TTN
February 15, 2005

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